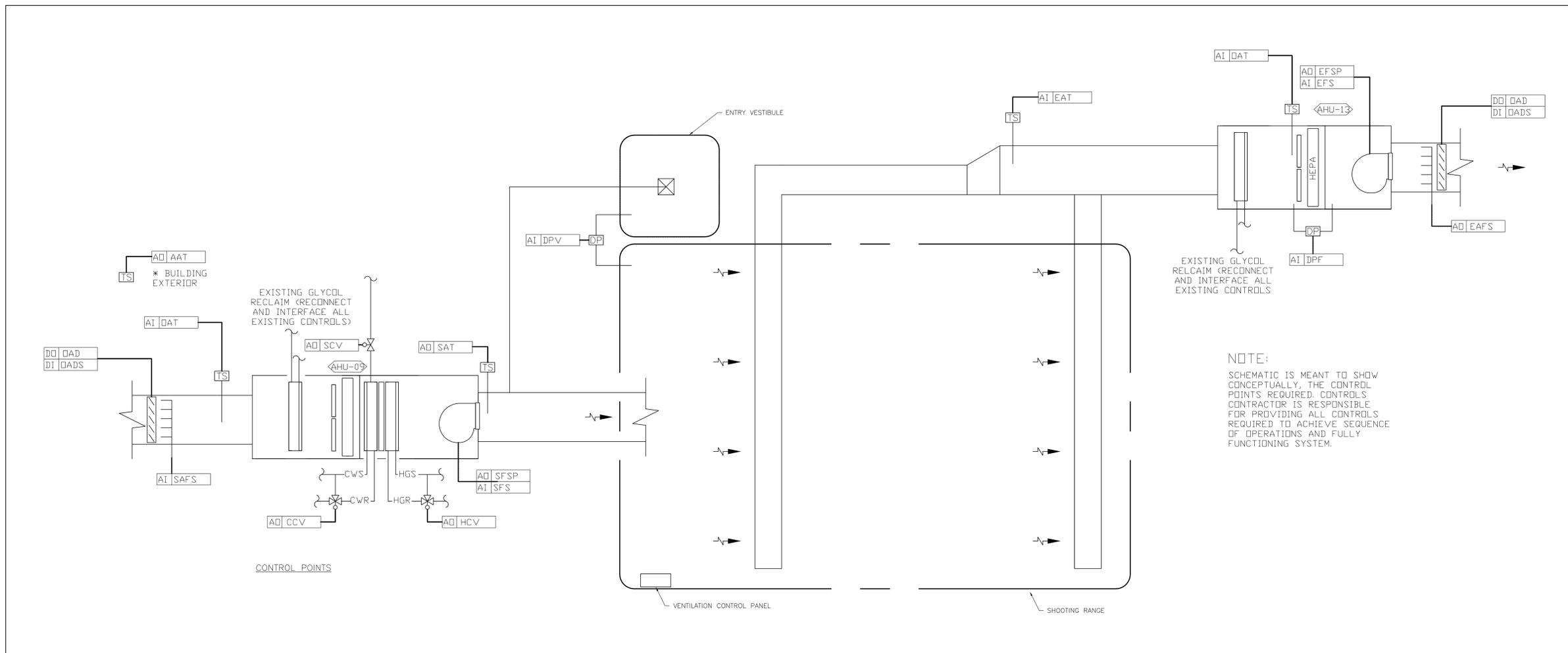


PRELIMINARY
NOT FOR CONSTRUCTION

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POINT	DESIGNATION	TYPE	HARDWARE
SFS	SUPPLY FAN STATUS	AI	VARIABLE FREQUENCY DRIVE
SFSP	SUPPLY FAN SPEED	AO	VARIABLE FREQUENCY DRIVE
HCV	HEATING CONTROL VALVE	AO	CONTROL VALVE
CCV	COOLING CONTROL VALVE	AO	CONTROL VALVE
OAT	OUTSIDE AIR TEMPERATURE	AI	TEMPERATURE SENSOR
OAD	OUTSIDE AIR DAMPER	DO	DAMPER ACTUATOR
OADS	OUTSIDE AIR DAMPER END SWITCH	DI	DAMPER ACTUATOR END SWITCH
AAT	AMBIENT AIR TEMPERATURE	AI	TEMPERATURE SENSOR
SAT	SUPPLY AIR TEMPERATURE	AO	TEMPERATURE SENSOR
SAFS	SUPPLY AIR AIR FLOW SENSOR	AI	FLOW SENSOR
SCV	STEAM CONTROL VALVE	AO	CONTROL VALVE
EFS	EXHAUST FAN STATUS	AI	VARIABLE FREQUENCY DRIVE
EFSP	EXHAUST FAN SPEED	AO	VARIABLE FREQUENCY DRIVE
EAD	OUTSIDE AIR DAMPER	DO	DAMPER ACTUATOR
EADS	OUTSIDE AIR DAMPER END SWITCH	DI	DAMPER ACTUATOR END SWITCH
EAT	EXHAUST AIR TEMPERATURE	AI	TEMPERATURE SENSOR
EAFS	EXHAUST AIR AIR FLOW SENSOR	AI	FLOW SENSOR
DPF	FILTER DIFF. PRESSURE	AO	DIFF PRESSURE SENSOR
DPV	DIFF. PRESSURE VESTIBULE	AO	DIFF PRESSURE SENSOR

TAG	SERVES	FACE SIZE		TUBE SIZE		ROWS	FINS PER	AIR SIDE						HEATING OUTPUT		FLUID SIDE						NOTES									
		WIDTH	HEIGHT	SIZE	SIZE			FLOW RATE	PRESS. DROP	ENT. TEMP.	LVG. TEMP.	FLOW RATE	PRESS. DROP	ENT. TEMP.	LVG. TEMP.	CONNYS															
		(mm)	(in.)	(mm)	(in.)			(L/s)	(CFM)	(Pa)	(in.WC)	(C)	(F)	(C)	(F)	(L/s)	(GPM)	(kPa)	(in.WC)	(C)	(F)		(C)	(F)	(mm)	(in.)					
AHU-09	FIRING RANGE	1,600	63	2,134	84.0	1	0,020	2	394	10	8,590	18,200	52	0.21	-34.4	-30.0	21.1	70.0	117.6	401.3	5,995	95.0	54.9	18.4	1.4	34.5	-4.0	24.8	64	2.5	



APEGM
Certificate of Authorization
HDK Consulting Incorporated
No. 5539 Date: 04/30/2015

PROVINCE OF MANITOBA
D.A. Ho
Member
25705
REGISTERED PROFESSIONAL ENGINEER

Revision	Description	Date
5		
4		
3		
2	ISSUED FOR CONSTRUCTION	FEB 23/15
1	ISSUED FOR 95% REVIEW	DEC 22/14
0	ISSUED FOR 50% REVIEW	OCT 20/14

Client: **ROYAL CANADIAN MOUNTED POLICE D-DIVISION**
1091 PORTAGE AVENUE WINNIPEG, MANITOBA

Project: **WINNIPEG, MANITOBA 1091 PORTAGE AVENUE D-DIVISION HEADQUARTERS FIRING RANGE UPGRADE**

Designed by: **DH/RR** Conçu par
Drawn by: **RR** Dessiné par
Approved by: **DH** Approuvé par
PWSC Project Manager: **PAUL DUCHARME** Administrateur de Projets TPSGC

Drawing title: **HVAC - CONTROLS SCHEMATIC**

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
	M1.2	0
	OF 04	

1 HVAC - CONTROLS SCHEMATIC
M1.3 NOT TO SCALE